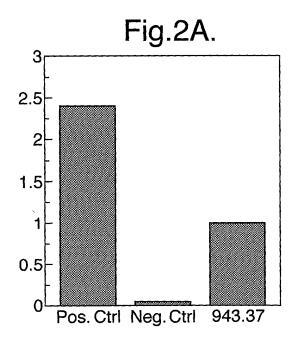
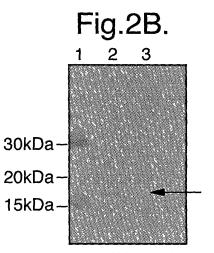
Fig.1.

PstICAGGTGCAGCTGCAGGAGTCAGGGGGGGGGGGGTTGGTGCAGGCTGGGGGGCTCTCTGAGACTC G S G G G L TCCTGTGCAGCCTCGGGACGCGCCACCAGTGGTCATGGTCACTATGGTATGGGCTGGTTC CGCCAGGTTCCAGGGAAGGAGCGTGAGTTTGTCGCAGCTATTAGGTGGAGTGGTAAAGAG K \boldsymbol{E} R \boldsymbol{E} ACATGGTATAAAGACTCCGTGAAGGGCCGATTCACCATCTCCAGAGATAACGCCAAGACT K S K G Ι R ACGGTTTATCTGCAAATGAACAGCCTGAAACCTGAAGATACGGCCGTTTATTATTGTGCC PD \boldsymbol{T} Α L Ν S \boldsymbol{L} K Ε M GCTCGACCGGTCCGCGTGGATGATATTTCCCTGCCGGTTGGGTTTGACTACTGGGGCCAG Ι \mathcal{S} L FE K Ι S \boldsymbol{E} \boldsymbol{E} TAAGGGCTAAGCTCGAATTC EcoRI

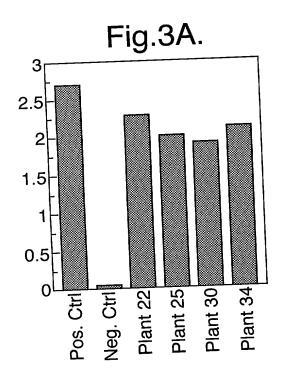


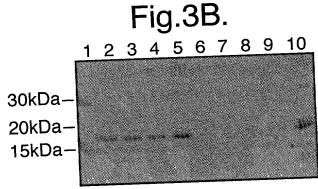


1: Molecular Weight Markers

2: 943.37 Sample

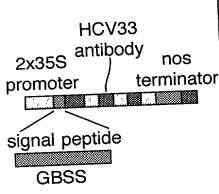
3: Neg. Ctrl





1: Molecular Weight Markers 2-5: Samples Plant.22, 25, 30,34 6-9: Neg. Plants Samples 10: Positive Ctrl (P.pastoris produced)

Fig.4.





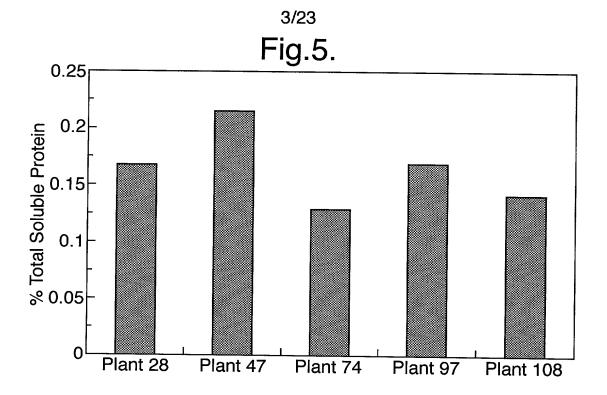


Fig.6. PstI S G G G LQ V Q A GG S TCCTGTGTAGCTTCTGAAAGCAGCTTCAGCAACAATCACATGGGCTGGTACCGCCGGGCT CS S FS S N Ν HΜ G CCAGGGAACCAGCGCGAGCTGGTCGCAACTATTAGTCCTGGTGGTAGCACACACTATGTA Q R \boldsymbol{E} A TΙ S \boldsymbol{P} G G \boldsymbol{T} GACTCCGTGAAGGGCCGATTCACCATCTCCCGAGACAACGCCAAGAACACAGTGTATCTA K G RΙ S R A K Y CAAATGGACAGCCTGAAACCAGAGGACACGGCCGTCTATTACTGTGCTGCCAAGGGGAGG S L K \boldsymbol{P} \boldsymbol{E} D TA Y Y CA K PstI GGGCTGCAGGCTATGCAGTACTGGGGCCAGGGGACCCTGGTCACCGTCTCCTCAGCGCAC W G 0 GCACAGCGAAGACCCCAGCTCCGCGGCCGCCCATCACCATCACCATCACGGGGCCGCAGAA P S S A A A HΗ HΗ A CAAAAACTCATCTCAGAAGAGGATCTGAATGGGGCCGCATAGTAA**CAATTG** K \boldsymbol{L} Ι \mathcal{S} \boldsymbol{E} ED \boldsymbol{L} N GA

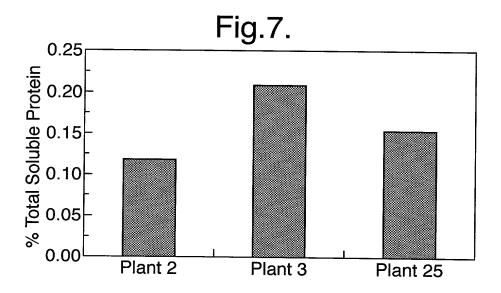
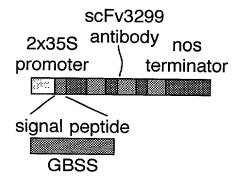
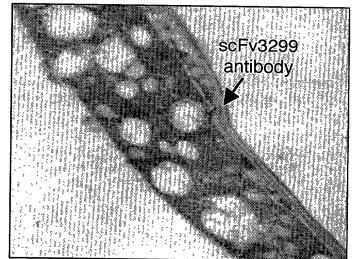
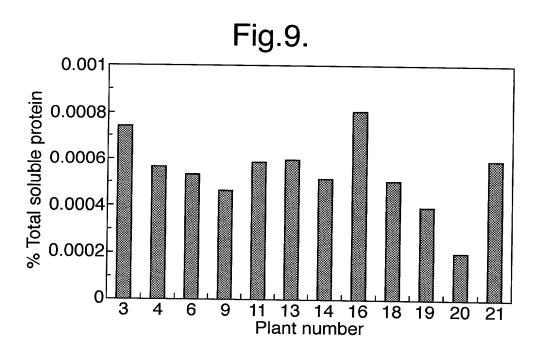
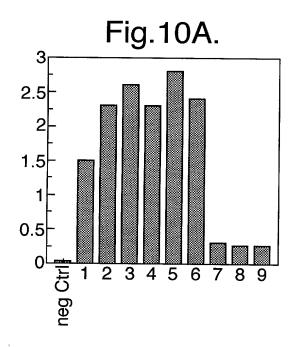


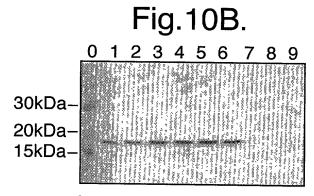
Fig.8.





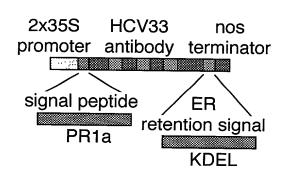






0: Molecular Weight Markers 1-6: pPV.8-PRIa-HCV33myc-SKDEL plants 7-9: pPV.8-GBSS-HCV33myc-SKDEL plants

Fig.11.



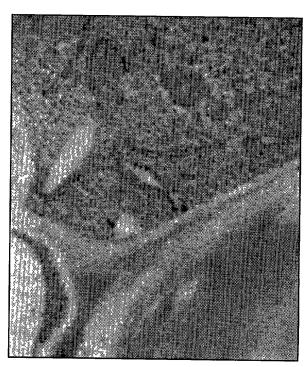


Fig. 12.

PstI CAGGTGCAGCTGCAGGAGTCTGGGGGGGGGCCTGGTGCAGGCTGGGGGGGTCTCTGAGACTC O ES G G G L V Q A G G S TCCTGTGTAGCCTCTGGAAACACCTTCAGTATCATAGCTATGGCCTGGTACCGCCAGGCT G N \boldsymbol{T} F S Ι Ι A Μ A W Y CCAGGGAAGCAGCGCGAGGTGGTCGCAAGTATTAATAGTATTGGCAGCACAAATTATGCA EΙ S GACTCCGTGAAGGGGCGATTCACCATCTCCAGAGACAACGCCAAGAACACAGTGTATCTG D S V KG RF I S R D N CAAATGAGCAGCCTGAAACCTGAGGACACGGCCGTCTATTACTGTGCTGCCGGTAATTTG Μ S LK P E D \boldsymbol{T} Α VY CCTGGTTAAGAGGCCTTACTGGGGCCAGGGGACCCTGGTCACCGTCTCCTCAGAACCCAAG P G Q G \boldsymbol{T} ACACCAAAACCACAGCGGCCGCCCATCACCATCACCATCACGGGGCCGCAGAACAA OPAAA H HHΗ Η Η G Α Α AAACTCATCTCAGAAGAGGATCTGAATGGGGCCGCATAGTAACAATTG I S \boldsymbol{E} \boldsymbol{E} D LN G AMunI

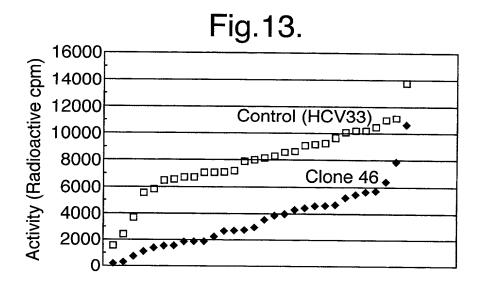


Fig.14. PstINcoI ACCATGG CCCAGGTGAAACTGCAG CAGTCTGGGGGGAGGATTGGTGCAGGCTGGGGGGCCCTMAQVKLQQSGGGLVQAGGP CTGAGGCTCTCCTGTGCAGCCTCTGGACGCACCTTCAGTAACTATGCCGTGGGCTGGTTC S C A A S G R T F S N Y A V G W F CGCCAGGCTCCAGGGAAGGAGCGTGAGTTTGTCGCTGCTATTAGCCGTGATGGTGGGCGC ROAPGKEREFVAA ISRDGGR ACATACTATGCGGACTCCGTGAAGGGCCGATTCGCCGTCTCCAGAGACTACGCCGAGAAC V K G R F A V SR ADSACGGTGTATCTGCAAATGAACAGCCTGAAACCTGAGGACACGGCCGTTTATTACTGTAAC Y L Q M N S L K P E D T A V Y ACAAGGGCCTACTGGGGCCAGGGGACCCAGGTCACCGTCTCCTCAGCGCACCACAGCGAA TRAYWGQGTQVTVSS GACCCCAGCTCCGCGGCCGCCCATCACCATCACCATCACGGGGCCGCAGAACAAAAACTC D P S S A A A H H H H H H G A A E Q K L **ATCTCAGAAGAGGATCTGAATGGGGCCGCATAGTAACAATTG** I S E E D L N G A A

Fig.15. PstINcoI ACCATGCCCCAGGTGAAACTGCAGCAGTCTGGGGGAGGATTGGTGCAGGCTGGGGGCCCT T M A Q V K L Q Q S G G G L V Q A G G P CTGAGGCTCTCCTGTGCAGCCTCTGGACGCACCTTCAGTAACTATGCCGTGGGCTGGTTC L R L S C A A S G R T F S N Y A V G W F CGCCAGGCTCCAGGGAAGGAGCGTGAGTTTGTCGCTGCTATTAGCCGTGATGGTGGGCGC ROAPGKEREFVAAISRDGGR ACATACTATGCGGACTCCGTGAAGGGCCGATTCGCCGTCTCCAGAGACTACGCCGAGAAC T Y Y A D S V K G R F A V S R D ACGGTGTATCTGCAAATGAACAGCCTGAAACCTGAGGACACGGCCGTTTATTACTGTAAC A D TS LK PEACAAGGGCCTACTGGGGCCAGGGGACCCAGGTCACCGTCTCCTCAGCGCACCACAGCGAA Y W G Q G T Q V T V S S A H H S E GACCCCAGCTCCGCGGCCGCCCATCACCATCACCATCACGGGGCCGCAGAACAAAAACTC HHHHHGAAEQKL S A A A HATCTCAGAAGAGGATCTGAATTCTGAGAAAGATGAGCTATGACAATTG I S E E D L N S E K D E L

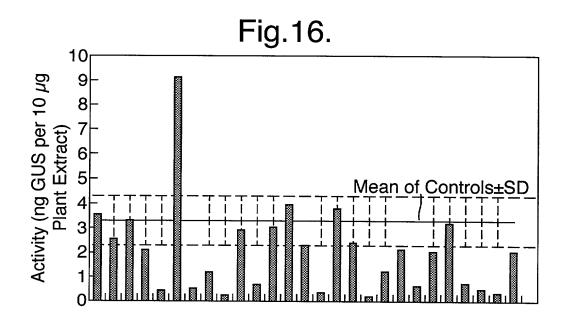
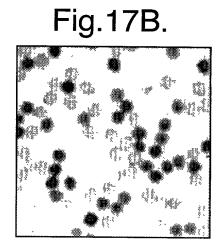


Fig.17A.



	Ncol	PstI	Fig.18.
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			HCV33> esggglvqag
51	>		gcagecteg ggaegegeea ecagtggtea .HCV33> a a s g r a t s g
101	>		gttccgcca ggttccaggg aaggagcgtg .HCV33> w f r q v p g k e r
151	>		ggagtggta aagagacatg gtataaagac .HCV33> w s g k e t w y k d
201	>		atctccaga gataacgcca agactacggt .HCV33> i s r d n a k t t
251	>	• • • • • • • • • • •	gaaacctga agatacggcc gtttattatt .HCV33> l k p e d t a v y y
301	>		tggatgata tttccctgcc ggttgggttt .HCV33 v d d i s l p v g f BstEII
351	>	HCV33	caggtcacc gtctcctcag aacccaagac
401	>		acaaccaca accacaaccc aatcctacaa .Hinge> p q p q p q p n p t
451	>	Hinge	gtccagccc ctgagctcct gggagggccc>>>>CH2> c p a p e l l g g p
501	>		aaacccaag gacgtcctct ccatttctggCH2 k p k d v l s i s
551	>		tgtggtaga cgtgggccag gaagaccccg CH2> v v v d v g q e d p
601	>		ttgatggcg cagaggtgcg aacggccaac CH2> i d g a e v r t a n
651			ttcaacagc acgtaccgcg tggtcagcgt CH2>

Fig.18 (Cont).

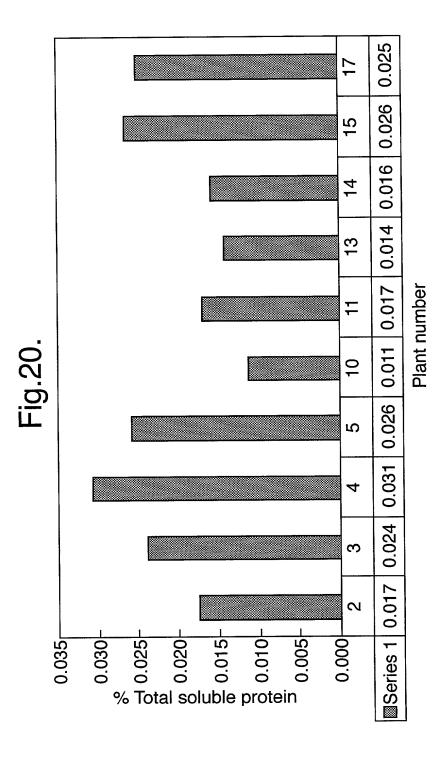
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701	cctgcccatc cagcaccagg actggctgac ggggaaagag ttcaaatgca >
751	aggtcaacaa caaagctctc ccggccccca tcgagaagac catctccaag > CH2 k v n n k a l p a p i e k t i s k
801	gccaaaggc agacccggga gccgcaggtg tacgccctgg ccccacaccg >>>>
851	ggaagagetg gccaaggaca ccgtgagegt aacetgeetg gtcaaagget > r e e l a k d t v s v t c l v k g
901	tctacccacc tgatatcaac gttgagtggc agaggaacgg tcagccggag > f y p p d i n v e w q r n g q p e
951	tcagagggca cctacgccac cacgccaccc cagctggaca acgacgggac
	seg tyattpp qld ndg
1001	ctacttcctc tacagcaagc tctcggtggg aaagaacacg tggcagcggg > t y f l y s k l s v g k n t w q r
1051	gagaaacctt cacctgtgtg gtgatgcacg aggecctgca caaccactac > g e t f t c v v m h e a l h n h y EcoRI
1101	acccagaaat ccatcaccca gtcttcgggt aaataataag aattcgagct > t q k s i t q s s g k
1151	cgaa

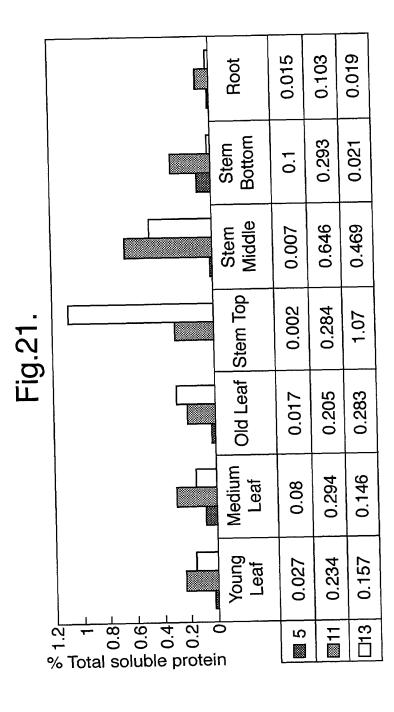
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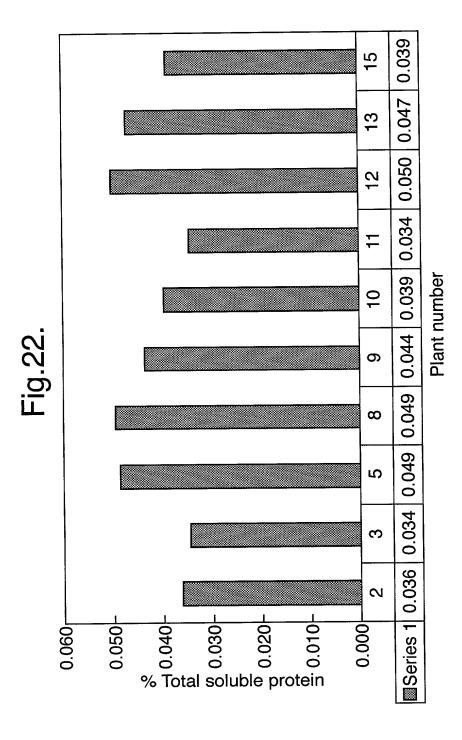
	NcoI	PstI	Fig.19.
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			esgggl v q a g
51	>		tgcagcctcg ggacgcgcca ccagtggtcaHCV33> c a a s g r a t s g
101	>		ggttccgcca ggttccaggg aaggagcgtgHCV33> w f r q v p g k e r
151	>		tggagtggta aagagacatg gtataaagacHCV33> w s g k e t w y k d
201	>		catctccaga gataacgcca agactacggtHCV33> t i s r d n a k t t
251	>		tgaaacctga agatacggcc gtttattattHCV33> l k p e d t a v y y
301	>		gtggatgata tttccctgcc ggttgggtttHCV33> v d d i s l p v g f BstEII
351	>		ccaggtcacc gtctcctcag aacccaagac 3hinge> t q v t v s s e p k
401	>		cacaaccaca accacaaccc aatcctacaaHinge> p q p q p q p n p t
451	>	.Hinge	tgtccagccc ctgagctcct gggagggccc>>>>CH2> c p a p e l l g g p
501	>		gaaacccaag gacgtcctct ccatttctggCH2 p k p k d v l s i s
551	>		ttgtggtaga cgtgggccag gaagaccccgCH2> v v v d v g q e d p
601	>		attgatggcg cagaggtgcg aacggccaac CH2 i d g a e v r t a n
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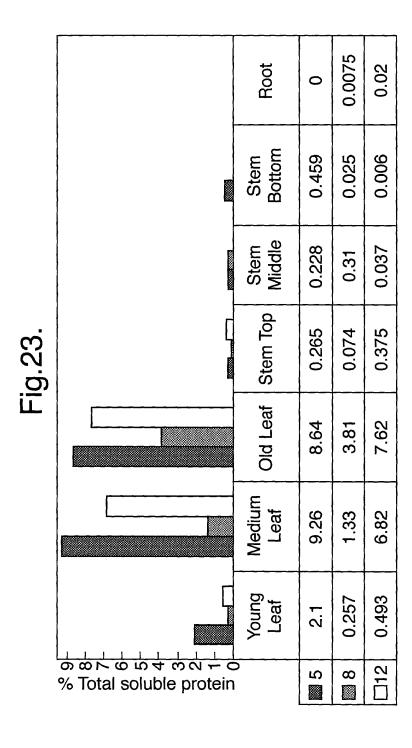
Fig.19 (Cont).

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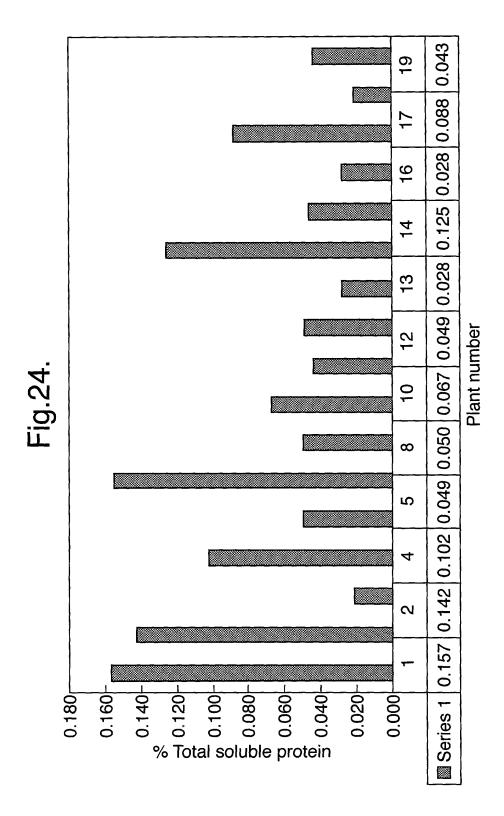


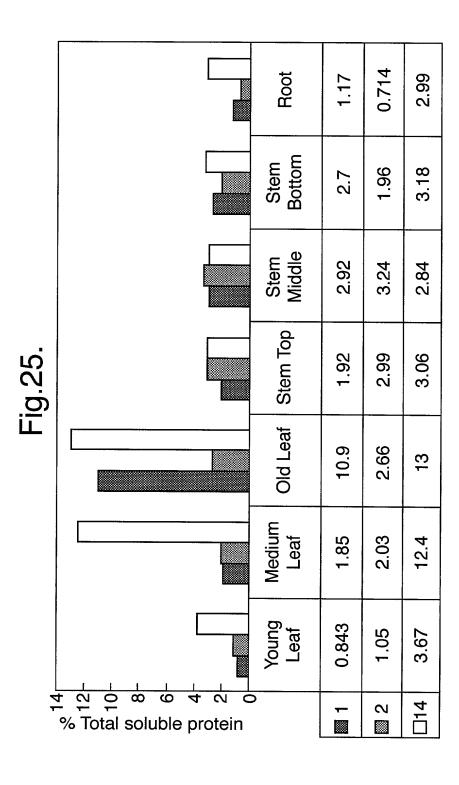


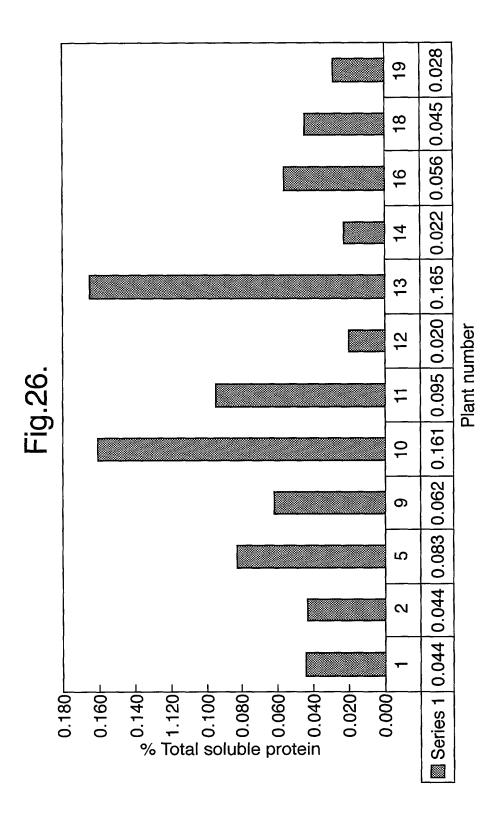












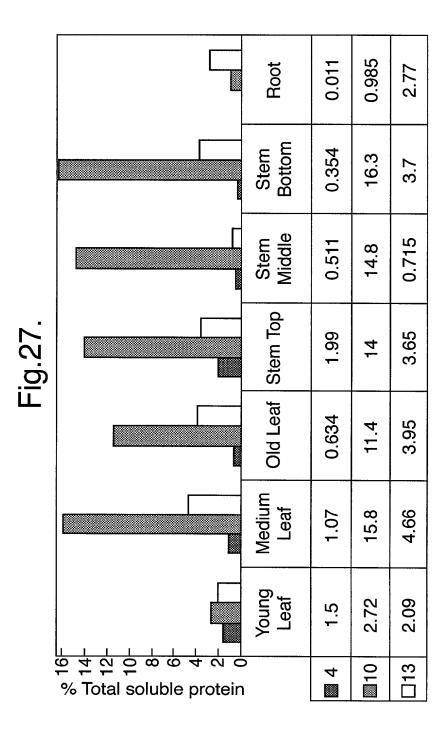


Fig.28.

NcoI

PstI

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MunI

451 agtaacaatt g

